6

specified by said reservation.

LISTING OF THE CLAIMS:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1 1. (Previously presented) A car rental system comprising: 2 a fleet of cars, each of which is operable only when a valid digital key is presented 3 to the car, and each of said fleet of cars has a means to invalidate a digital key; and 4 a management system for handling reservation and car return, said management 5 system including: 6 a key generation system for generating digital keys for renters of the car rental 7 system; 8 a key return system for processing digital keys returned by renters, 9 wherein there exists no data communication link between the fleet of cars and the 10 management system. 1 2. (Previously presented) The system in claim 1, further comprising a parking lot 2 guarded by a security gate, said fleet of cars being parked within confines of said parking 3 lot when not rented by a renter of the car rental system, said security gate only opening 4 when a valid digital pass is presented by a renter of the car rental system. 1 3. (Original) The system in claim 1, wherein the management system is accessed by a 2 prospective renter over a network and the prospective renter is given a digital key to 3 operate a particular car and a digital pass to open the gate of the parking lot where said 4 particular car is parked, after said prospective renter completes a reservation for said 5 particular car, said digital key and digital pass being effective starting from the time

5

1 4. (Original) The system in claim 3, wherein the prospective renter accesses the 2 management system at a kiosk located in the parking lot where the particular car is 3 parked. 1 5. (Original) The system in claim 3, wherein the prospective renter accesses the 2 management system over the Internet. 6. (Original) The system in claim 3, wherein the key generation system stores a digital 1 2 key on a storage device provided by a prospective renter. 7. (Original) The system in claim 6, wherein the storage device is a smart card. 1 1 8. (Original) The system in claim 6, wherein the digital key comprises car and user 2 identification (ID) signed by the management system to authenticate the digital key. 1 9. (Original) The system in claim 1, wherein a renter of a car invalidates a valid digital 2 key upon returning a car to the car rental system and presents an invalidated digital key to 3 the key return system to complete a car return. 1 10. (Original) The system in claim 9, wherein the invalidation of a valid digital key 2 includes storing car status information relevant to computing by the key return system a 3 receipt for the renter. 1 11. (Previously presented) A computer implemented method for operating a car rental 2 system comprising the steps of: 3 accessing a reservation server by a prospective car renter to reserve a car; 4 authenticating the prospective car renter by the reservation server and, upon the

reservation server successfully authenticating the user, prompting the prospective car

6	renter for the date, time, and location for pickup and return, and the type of car;
7	checking by the reservation server an availability of a requested car and, if a car is
8	available, creating by the reservation server a digital key by car and user information with
9	a digital signature of the reservation server; and
10	downloading the digital key to a portable storage device, the portable storage
11	device being used to gain access to a rental car without communication between the rental
12	car and the reservation server.
1	12. (Original) The method in claim 11, wherein the step of accessing the reservation
2	server is performed via a network.
1	13. (Original) The method in claim 12, wherein the network is the Internet.
1	14. (Original) The method in claim 11, wherein the step of authenticating a prospective
2	car renter includes the steps of:
3	prompting the prospective car renter to enter a personal identification number
4	(PIN); and
5	comparing the entered PIN with a valid PIN for the prospective car renter.
1	15. (Original) The method of claim 11, wherein the step of creating a digital key
2	comprises the steps of:
3	computing a hash of the car renter's valid PIN;
4	combining car and renter identification with the hashed PIN; and
5	digitally signing the combined information by said reservation server.
1	16. (Original) The method in claim 11, further comprising the steps of:
2	inserting the portable storage device by a car renter into a slot for receiving the
3	portable storage device in a rented car;

4	upon detecting the portable storage device inserted into the slot, obtaining by an
5	access controller installed in the rented car the digital key stored on the portable storage
6	device and checking by the access controller whether the digital key is valid and verifying
7	the signature on the digital key;
8	if the digital key is valid and the signature is verified, the access controller then
9	prompting the car renter to enter his or her identification and checking for correctness of
10	the car renter's identification; and
11	if the enter identification for the car renter matches a correct identification on the
12	portable storage device, the access controller activating instruments of the car which the
13	car renter is authorized to have access to.
1	17. (Original) The method in claim 16, further comprising the steps of:
2	upon receiving a car renter's request to return a car, prompting the car renter to
3	insert his or her portable storage device into the slot for the portable storage device;
4	obtaining by the access controller car status information and car identification;
5	creating by the access controller a return packet by combining car status
6	information and the current digital key;
7	signing the return packet by the access controller, appending the car identification
8	to the signed return packet, and saving the signed return packet into the portable storage
9	device; and
10	invalidating by the access controller a current digital key.
1	18. (Original) The method in claim 17, further comprising the steps of:
2	upon receiving a car renter's request to return a car, retrieving the return packet
3	from the portable storage device;
4	verifying a signature on the return packet; and
5	updating the car status and printing a receipt for the car renter.

- 1 19. (Original) The method in claim 11, wherein the portable storage device is a smart
- 2 card.
- 1 20. (Previously presented) The system in claim 1, wherein each of said fleet of cars has a
- 2 storage device for storing a record of the digital key.